

**SECRET**SAPC 19535  
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16 September 1957

CMCC Doc. No. 151X5.719

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Dear Dan:

Enclosed is our proposal covering the additional System 3 equipment you recently authorized us to fabricate for Scotty's people. You have funded this in the contract based on previous estimates, but we feel it appropriate to submit a separate proposal covering this work. The equipment will be fabricated in a new production run along with the equipment for the Navy, and we believe the same estimated cost per set should be used as is applicable to the Navy's work. Accordingly, we have priced out the items of the system including recorder at the same cost figures used in the Navy proposal. The rates are those in effect at the time of our proposal to the Navy. Certain additional items of equipment are included in this proposal, and these are costed at current labor and burden rates.

Items 4 and 5 of the Statement of Work cover 15-inch and 17-inch antenna units separately ordered for Requirement No. 2. The 15-inch units are without filters as you requested. *Handwritten: without expense given by D.C.*

We are also enclosing our recommendations on spares for the Requirement No. 2 program. List LL covers the recommended FAK; List MM, the One-Hundred Eighty-Day support; and List NN, the special list of equipment. Cost estimates are included for each of these lists, and they are included in the total cost for this program of work.

In addition to the three recommended support lists, we are including as Exhibit D to the letter a list of commercial test equipment which has already been furnished Scotty's people in connection with the System 2 program but which will be required from time to time in support of System 3. It is probable that there is an adequate supply of this equipment already on hand, and it should not be additionally ordered. We have shown in the Exhibit the quantities of each unit already delivered and their location, to the best of our knowledge.

We have not included the FM Signal Generators you specifically requested. Item 36 of Equipment List NN, the SLOE, is a Kay Electric Company Sweep Generator which we recommend for use as test equipment with System 3. We believe this item of test equipment will

25X1

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perform all the special functions of an FM Generator as well as offering additional necessary advantages as a Sweep Generator. If this is not adequate to your special need, please advise us and we shall try to make some additional suggestions.

We have not included provisions for any System 3 Instruction Guides, assuming that you will be able to furnish a sufficient quantity of these to Scotty's people from project supply.

There should be an A Rack at all System 3 operating sites, and we assume that this has been provided for in the Ground Duping and Analysis equipment orders. In the event no A Rack is available, some device should be on hand for rewinding tape and reading out data sufficient to determine that the system is operating properly. We could furnish commercial Ampex equipment adequate for this purpose if an A Rack is not available.

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Total estimated cost of this program is [redacted] on this amount, computed at [redacted]; the estimated cost including fee is [redacted] 25X1  
This does not differ greatly from the present contract funding, but these amounts should be adjusted to correspond with this proposal in a subsequent amendment.

The Delivery Schedule furnished here is based on delivery after completion of the Navy order. We are not able to determine the relative priority here, but have assumed that first deliveries would go to the Navy since their order was placed first. If you want to make different arrangements with respect to delivery, it would seem appropriate to us for you to arrange this separately with the Navy and advise us accordingly.

A copy of this letter is enclosed for Scotty.

Sincerely,



Dean

Enclosures:  
( See page 3 )

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Enclosures:

Copies 1-4 of 6 copies of the  
following CMCC Doc. Nos.:

1131X5.112

1132X5.143

1134X5.50

1132X5.146

1132X5.147

1132X5.148

1132X5.149

Equipment List LL

Equipment List MM

Equipment List NN

cc: H.A.W. - A.G.O.

Copy 5 of the above listed documents.

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CSC Doc. No. 1131X5.112

Copy 1 of 6Page 1 of 1Proposal: CAN 76  
13 September 1957**STATEMENT OF WORK  
SYSTEM 3 (M-1) REQUIREMENT NO. 2**

The Contractor proposes to provide the necessary engineering services, materials, facilities, and labor to accomplish the following items of work:

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<u>Item</u>	<u>Description</u>
1	Fabricate, test and deliver three (3) System 3 (M-1) Equipments complete with "3A" conversion kits.
2	Fabricate, test and deliver ten (10) System 3 Recorders ("B" Units).
3	Fabricate, test and deliver two (2) Test Sets for System 3 (M-1).
4	Fabricate, test and deliver six (6) 15-inch Antennas (without filters).
5	Fabricate, test and deliver eight (8) 17-inch Antennas.
6	Assemble, package and ship two (2) Fly-Away Kits (List LL).
7	Assemble, package, and ship one (1) set of Depot Spares (List MM).
8	Assemble, package, and ship one (1) Special List of Equipment (List NN).

*Total Lines 4 + 5 =**Items 4 + 5 =***SECRET**

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Page 1 of 2Proposal: CAN 76  
13 September 1957**DELIVERY SCHEDULE  
SYSTEM 3 (M-1) REQUIREMENT NO. 2**

Items in the Statement of Work shall be delivered in accordance with the following schedule:

<u>Item</u>	<u>Schedule</u>
1	<u>System 3 (M-1) Equipments</u>  First Model - 17 March 1958 Second Model - 24 March 1958 Third Model - 31 March 1958
2	<u>System 3 Recorders</u>  First and Second Recorder - 7 March 1958  Third and Fourth Recorder - 14 March 1958  Fifth and Sixth Recorder - 21 March 1958  Seventh and Eighth Recorder 24 March 1958  Ninth and Tenth Recorder - 31 March 1958
3	<u>Test Sets</u>  First Set - 24 March 1958 Second Set - 31 March 1958
4	<u>15-inch Antennas (Without filters)</u>  First - Sixth Antenna 23 September 1957

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DELIVERY SCHEDULE  
SYSTEM 3 (M-1) REQUIREMENT NO. 2  
(Continued)

<u>Item</u>	<u>Schedule</u>
5	<u>17-inch Antennas</u>  First and Second Antenna 6 August 1957  Third - Eighth Antenna 22 August 1957
6	<u>Fly-Away- Kits (List LL)</u>  First Kit - 17 March 1958 Second Kit - 31 March 1958
7	<u>Depot Spares (List MM)</u>  31 March 1958
8	<u>Special List of Equipment (List NN)</u>  24 March 1958

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**COST ESTIMATE  
SYSTEM 3 (M-1) REQUIREMENT NO. 2  
(Continued)**

Item 6 - Fly-Away Kit (List LL)

(See Exhibit "A")

**TOTAL ESTIMATED COST FOR  
TWO (2) KITS**

Item 7 - Depot Spares (List MM)

(See Exhibit "B")

**TOTAL ESTIMATED COST**

Item 8 - Special List of Equipment (List NN)

(See Exhibit "C")

**TOTAL ESTIMATED COST**

**TOTAL ESTIMATED COST  
FOR SYSTEM 3 (M-1) REQUIREMENT  
NO. 2**

**FEE AT**

**TOTAL ESTIMATED COST  
INCLUDING FEE**

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EXHIBIT "D"

## ADDITIONAL SLOE REQUIREMENTS

6 September, 1957

## COMMERCIAL TEST EQUIPMENT TO BE EVALUATED

1.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10204	Converter, Frequency, HEWLETT- PACKARD 525A For use with Model 524B Electronic Counter	\$ 250.00	1

  

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-2	Seal Beach	1
G-3	Delta	1
G-3	Alpha	2

2.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10211	Counter, Frequency, HEWLETT- PACKARD 524B	\$2,150.00	1

  

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-3	Seal Beach	1
N-3	Alpha	1
G-4	Delta	1
G-4	Alpha	1
H-4	Delta	1
H-4	Alpha	1

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EXHIBIT "D"

6 September, 1957

## ADDITIONAL SLOE REQUIREMENTS

## COMMERCIAL TEST EQUIPMENT TO BE EVALUATED (Cont'd)

3.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10206	Oscillator, Audio, HEWLETT- PACKARD 200 CD	\$ 150.00	1

  

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
H-9	Alpha	1
H-9	Delta	1

4.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10218	Oscilloscope, C. R. - TEKTRONIX 531 Driven sweep to 0.1 micro- second per cm	\$ 995.00	1

  

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-8	Seal Beach	1
N-8	Alpha	1
G-9	Alpha	1
G-9	Delta	1
H-10	Alpha	1
H-10	Delta	1

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EXHIBIT "D"

6 September, 1957

## ADDITIONAL SLOE REQUIREMENTS

## COMMERCIAL TEST EQUIPMENT TO BE EVALUATED (Cont'd)

5.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10148	Oscilloscope, Preamplifier, Plug-in, High Gain - TEKTRONIX 53B, Sensitivity 5 mv./cm., Frequency response to 9 mc	\$ 125.00	1

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
G-11	Alpha	1
G-11	Delta	1
G-12	Alpha	1
G-12	Delta	1
H-13	Alpha	1

6.

<u>MP- Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10230	Oscilloscope, Preamplifier, Plug-in, Dual Trace - TEKTRONIX 53C, Sensitivity 0.05 V./cm., Frequency response to 8.5 mc	\$ 275.00	1

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-9	Seal Beach	1
G-11	Delta	1
G-11	Alpha	1
H-12	Delta	1
H-12	Alpha	1

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EXHIBIT "D"

## ADDITIONAL SLOE REQUIREMENTS

6 September, 1957

## COMMERCIAL TEST EQUIPMENT TO BE EVALUATED (Cont'd)

7.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10213	Voltmeter, Vacuum Tube - HEWLETT-PACKARD 410B	\$ 245.00	1

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-11	Seal Beach	1
N-11	Alpha	1
G-32	Delta	1
G-32	Alpha	1
H-15	Delta	1
H-15	Alpha	1

8.

<u>MP Number</u>	<u>Nomenclature</u>	<u>Estimated Unit Cost</u>	<u>No. of Units</u>
10702	Voltmeter, Vacuum Tube - TRIPLETT Model 631	\$ 59.50	2

<u>System 2 List Item No.</u>	<u>Location</u>	<u>Quantity at Location</u>
N-12	Seal Beach	2
N-12	Alpha	2
H-16	Delta	1
H-16	Alpha	1

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